SC1000 Display Module with GSM/GPRS Protocol

Product #: LXV402.99.01001

AED Price: Contact Hach

A fully modular system consisting of a display module and one or more probe modules.

All the sensors in the network are operated through the portable Display module, which simply has to be placed on a Probe module. The data are transmitted to the control room by GSM.

The large colour display screen shows data or time/concentration graphs from four sensors simultaneously and switches to other displays at a touch.

With an intuitively operatable touchscreen and clearly organised graphics, the display module is characterised by excellent handling properties.

Performance certified according to MCERTs regulation

Prognosys is a predictive diagnostic system that allows you to be proactive in your maintenance, by alerting you to upcoming instrument issues. Know with confidence whether changes in your measurements are due to changes in your instrument or your water.

More confidence in your instrument's performance
Available exclusively on the SC1000, Prognosys predictive diagnostics uses patented multivariable diagnostic software to read multiple inputs from your instrument and alert you to the instrument's overall performance. An easy-to-read dashboard provides instant indication of measurement reliability and service requirements.

Plug and Play operation
There's no complicated wiring or set up procedures with the SC1000 controller. Plug any Hach digital sensor into a Probe Module and it's ready for use. No special ordering or software configuration is needed.

Communication options to fit any application need
The SC1000 controller features state-of-the art Modbus TCP/IP communications protocol for seamless integration into a network of devices that support TCP/IP sockets. Use a standard Ethernet cable or connect wirelessly using GSM/GPRS to communicate with your SCADA, PLC or other network. The SC1000 also offers up to 12 analogue outputs for measured values and up to 12 analog or digital values from non-digital sensors.

Expandable and upgradable
The SC1000 Controller can adapt to your needs. Add or change probes without having to change the controller. Plus, with a single Display Module, additional Probe Modules and associated sensors can be added or removed depending on operational needs. Fully upgradable software ensures that this system will not be obsolete. Hach service plans are available.

Specifications

Alarm:	Low alarm point, low alarm point deadband, high alarm point, high alarm point deadband, off delay, and on delay

Analogue output functional mode:	PID, high/low phasing, setpoint, deadband, overfeed timer, off delay, on delay
Analogue outputs:	supplied by probe module LXV400.99.xxxxx
Certifications:	European Certifications:
	CE per 73/23/EEC and 89/336/EEC
	TUV-GS to EN 61010-1
	EN 61326 Amd's 1 & 2
Communication:	GSM modem (non US)
Dimensions (H x W x D):	200 mm x 230 mm x 50 mm
Display:	¼ inch VGA graphical backlit TFT color Glas/Glas-Touch screen, high resistance 320 x 240 pixels QVGA, 320 x 240 pixels, 256 colors, glass/glass-touch supplied by display module
Display viewing area:	111.4mm x 83.5mm
Electrical Certifications:	CE 2006/95/EC, EMV 2004/108/EC, TUV-GS EN61010-1, DIN EN 61326, FCC ID Nr. QIPMC56, CETECOM ICT M352023P
Enclosure waterproof rating:	IP65
GSM option:	With GSM (non-US)
Inputs:	Up to 12 analogue 0-20 mA, maximum impedance 500 Ohms per probe module. Additional inputs are available with additional probe modules.
Material:	Polycarbonate
Mounting:	Surface, panel, and pipe (horizontal and vertical) with optional sun shield
Mounting configurations:	wall
	pole
	panel mounting
Operating temperature range:	-20 - 55 °C / 0 - 95% relative humidity, non-condensing
Output:	Up to 12 analogue 0/4-20 mA, maximum impedance 500 Ohms per probe module.
	Additional analogue outputs with additional probe modules. Optional digital communcations via Modbus (RS485) and Profibus DP/V1.
Power requirements (Hz):	50/60 Hz
Power requirements (Voltage):	12 V DC
Relays:	Supplied by Probe Module LXV400.99.xxxxx
Storage conditions:	-20 - 70 °C 95% relative max relative humidity
Warranty:	24 months
Weight:	Approximately 1.2 kg (depending on configuration)
What's included?:	Display module with communication (as appropriate), basic user module

What's included?

Display module with communication (as appropriate), basic user module